

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MS	4,399,216	08/1983	Axel et al.	435	6	—
	4,740,461	04/1988	Kaufman	435	68	—
	4,912,040	03/1990	Kaufman et al.	435	69.6	—
	4,959,455	09/1990	Clark et al.	530	351	—
	5,151,510	09/1992	Stec et al.	536	27	—
	5,545,806	08/1996	Lonberg et al.	800	2	—
	5,545,807	08/1996	Surani et al.	800	2	—
	5,625,825	04/1997	Rostoker et al.	395	730	—
	5,739,277	04/1998	Presta et al.	530	326	—

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 463 151 B1	06/1996	Europe	—	—	—	—
	EP 0 770 628 A	05/1997	Europe	—	—	—	—
	WO 91/08298	06/1991	WIPO	—	—	—	—
	WO 92/03918	03/1992	WIPO	—	—	—	—
	WO 92/22645	12/1992	WIPO	—	—	—	—
	WO 93/12227	06/1993	WIPO	—	—	—	—
MEJ	WO 93/22332	11/1993	WIPO	—	—	—	—
	WO 94/02602	02/1994	WIPO	—	—	—	—
	WO 94/04689	03/1994	WIPO	—	—	—	—
	WO 94/25585	11/1994	WIPO	—	—	—	—
	WO 96/08512	03/1996	WIPO	—	—	—	—
	WO 96/18412	06/1996	WIPO	—	—	—	—
MEJ	WO 96/32478	10/1996	WIPO	—	—	—	—
	WO 96/33735	10/1996	WIPO	—	—	—	—
	WO 96/34096	10/1996	WIPO	—	—	—	—
	WO 97/34631	09/1997	WIPO	—	—	—	—
MEJ	WO 97/43316	11/1997	WIPO	—	—	—	—

EXAMINER

M. E. Jamon

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 97/44362	11/1997	WIPO				
	WO 98/24884	06/1998	WIPO				
	WO 98/24893	06/1998	WIPO				
	WO 98/31820	07/1998	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Anand et al., "Construction of yeast artificial chromosome libraries with large inserts using fractionation by pulsed-field gel electrophoresis," <i>Nucl. Acids Res.</i> 17:3425-3433 (1989)
MS	Artandi et al., "Monoclonal IgM rheumatoid factors bind IgG at a discontinuous epitope comprised of amino acid loops from heavy-chain constant-region domains 2 and 3", <i>Proc Natl Acad Sci USA</i> 89:94-98 (1992)
	Berman et al., "Content and organization of the human Ig VH locus: definition of three new V _H families and linkage to the Ig C _H locus," <i>EMBO J.</i> 7:727-738 (1988)
	Bowie et al., "A method to identify protein sequences that fold into a known three-dimensional structure," <i>Science</i> 253:164 (1991)
	Brambell et al., "A theoretical model of γ -Globulin Catabolism," <i>Nature</i> 203:1352-1355 (1964)
	Brambell, "The transmission of immunity from mother to young and the catabolism of immunoglobulins," <i>The Lancet</i> II:1087-1093 (1966)
	Brezinschek et al., "Analysis of the heavy chain repertoire of human peripheral B-cells using single-cell polymerase chain reaction," <i>J. Immunol.</i> 155:190-202 (1995)
	Brownstein et al., "Isolation of single-copy human genes from a library of yeast artificial chromosome clones," <i>Science</i> 244:1348-1351 (1989)
	Bruggeman et al., "A repertoire of monoclonal antibodies with human heavy chains from transgenic mice," <i>PNAS USA</i> 86:6709-6713 (1989)
	Bruggemann et al., "Generation of antibody repertoires in transgenic mice," <i>Methods: A Companion to Methods in Enzymology</i> , 2:159-165 (1991)
	Bruggemann et al., "Human antibody production in transgenic mice: expression from 100 kb of the human IgH locus," <i>Eur. J. Immunol.</i> 21:1323-1326 (1991)
	Bruggemann et al., "Strategies for expressing human antibody repertoires in transgenic mice," <i>Immunology Today</i> , 17:391-397 (1996)
MS	Burmeister et al., "Crystal structure of the complex of rat neonatal Fc receptor with Fc," <i>Nature</i> 372:379-83 (1994)

EXAMINER

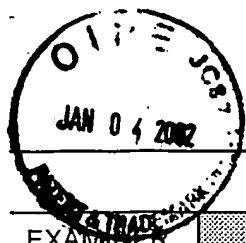
M.E. Jamon

DATE CONSIDERED

4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER
INITIAL.

- | | |
|----|---|
| | Chen et al. "Immunoglobulin gene rearrangement in B-cell deficient mice generated by targeted deletion of the J _H locus" <i>International Immunology</i> 5:647-656 (1993) |
| | Choi et al. "Transgenic mice containing a human heavy chain immunoglobulin gene fragment cloned in a yeast artificial chromosome" <i>Nature Genetics</i> 4:117-123 (1993) |
| | Chothia & Lesk, "Canonical structures for the hypervariable regions of immunoglobulins," <i>J. Mol. Biol.</i> 196:901-917 (1987) |
| MJ | Chothia et al., "Conformations of immunoglobulin hypervariable regions," <i>Nature</i> 342:878-883 (1989). |
| | Cook, G.P. and Tomlinson, I.M., "The human immunoglobulin V _H repertoire." <i>Immunology Today</i> 16:237-242 (1995) |
| | Cox et al., "A directory of human germ-line Vx segments reveals a strong bias in their usage." <i>Eur. J. Immunol.</i> 24:827-836 (1994) |
| | Dariavach et al., "The mouse IgH 3'-enhancer." <i>Eur. J. Immunol.</i> 21:1499-1504 (1991) |
| | Den Dunnen et al., "Reconstruction of the 2.4 Mb human DMD-gene by homologous YAC recombination." <i>Human Molecular Genetics</i> 1:19-28 (1992) |
| | Dima et al., "Effect of protein A and its fragment B on the catabolic and Fc receptor sites of IgG," <i>Eur. J. Immunol.</i> 13: 605 (1983) |
| MJ | Ellerson et al., "Structure and function of immunoglobulin domains," <i>J. Immunol.</i> 116:510 (1976) |
| | Evans et al., "Design of nonpeptidic ligands for a peptide receptor: cholecystokinin antagonists," <i>J. Med. Chem.</i> 30:1229 (1987) |
| MJ | Fahey and Robinson, "Factors controlling serum γ-globulin concentration," <i>A.G. J Exp. Med</i> 118: 845-868 (1963) |
| | Fauchere, "Elements for the rational design of peptide drugs," <i>J. Adv. Drug Res.</i> 15:29 (1986) |
| | Feeney, A.J. "Lack of N regions in fetal and neonatal mouse immunoglobulin V-D-J junctional sequences." <i>J. Exp. Med.</i> 172:137-1390 (1990) |
| | Fishwild et al., "High-avidity human IgGk monoclonal antibodies from a novel strain of minilocus transgenic mice." <i>Nature Biotech.</i> 14:845-851 (1996) |
| | Flanagan, J.G. and Rabbitts, T.H., "Arrangement of human immunoglobulin heavy chain constant region genes implies evolutionary duplication of a segment containing Y, ε, and α genes." <i>Nature</i> 300:709-713 (1982) |
| | <i>Fundamental Immunology</i> Ch. 7 (Paul, W., ed., 2nd ed. Raven Press, N.Y. (1989) |
| | Galfre, G. and Milstein, C., "Preparation of monoclonal antibodies: strategies and procedures." <i>Methods Enzymol.</i> 73:3-46 (1981) |

EXAMINER

M. E. Gammon

DATE CONSIDERED

4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Gemmill et al., "Protocols for pulsed field gel electrophoresis: Separation and detection of large DNA molecules." *Advances in Genome Biology* 1:217-251 (1992)Ghetie et al., "Increasing the serum persistence of an IgG fragment by random mutagenesis," *Nature Biotechnology* 15:637 (1997)Ghetie and Ward, "FcRn: the MHC class I-related receptor that is more than an IgG transporter," *Immunol Today* 18:592-598 (1997)Gill et al., "Monoclonal anti-epidermal growth factor receptor antibodies which are inhibitors of epidermal growth factor binding and antagonists of epidermal growth factor-stimulated tyrosine protein kinase activity." *J. Biol. Chem.* 259:7755 (1984)Green et al., "Antigen-specific human monoclonal antibodies from mice engineered with human Ig heavy and light chain YACs." *Nature Genetics* 7:13-21 (1994)Hermanson et al., "Rescue of end fragments of yeast artificial chromosomes by homologous recombination in yeast." *Nucleic Acids Res.* 19:4943-4948 (1991)Huber et al., "The human immunoglobulin κ locus. Characterization of the partially duplicated L regions." *Eur. J. Immunol.* 23:2860-2967 (1993)Humphrey and Fahey, "The metabolism of normal plasma proteins and gamma-myeloma protein in mice bearing plasma-cell tumors," *J. Clin. Invest.* 40:1696-1705 (1961)*Immunoglobulin Genes* pp. 259-274 (Honjo et al. eds., Academic Press Limited, San Diego, CA (1989))Jakobovits, A., "Humanizing the mouse genome." *Current Biology* 4:761-763 (1994)Jakobovits, A. et al., "Germ-line transmission and expression of a human-derived yeast artificial-chromosome." *Nature* 362:255-258 (1993)Jakobovits, A. et al., "Analysis of homozygous mutant chimeric mice: Deletion of the immunoglobulin heavy-chain joining region blocks B-cell development and antibody production." *Proc. Natl. Acad. Sci. USA* 90:2551-2555 (1993)Jakobovits, A., "Production of fully human antibodies by transgenic mice." *Current Opinion in Biotechnology* 6:561-566 (1995)Junghans, "Finally! The brambell receptor (FcR β)," *Immunologic Res.* 16:29-57 (1997)MS Junghans and Waldmann, "Metabolism of Tac(IL2R α): physiology of cell surface shedding and renal catabolism, and suppression of catabolism by antibody binding," *J. Exp. Med* 183, 1587-1602 (1996)Junghans et al., "The protection receptor for IgG catabolism is the β 2-microglobulin-containing neonatal intestinal transport receptor," *Proc Natl Acad Sci USA* 93:5512-5516 (1996)Kawamoto et al., "Growth stimulation of A431 cells by epidermal growth factor: Identification of high affinity receptors for EGF by an anti-receptor monoclonal antibody." *Proc. Nat. Acad. Sci., USA* 80:1337-1341 (1983)

EXAMINER

M.E. Gannon

DATE CONSIDERED

4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Kim et al., "Catabolism of the murine IgG1 molecule: evidence that both CH2-CH3 domain interfaces are required for persistence of IgG1 in the circulation of mice," *Scand J Immunol* 40:457-465 (1994)
- Kim et al., "Evidence that the hinge region plays a role in maintaining serum levels of the murine IgG1 molecule," *Mol Immunol* 32:467-475 (1995)
- Kim et al., "Localization of the site of the murine IgG1 molecule that is involved in binding to the murine intestinal Fc receptor," *Eur J. Immunol.* 24:2429-2434 (1994)
- Kim et al., "Identifying amino acid residues that influence plasma clearance of murine IgG1 fragments by site-directed mutagenesis," *Eur. J. Immunol.* 24:542-548 (1994)
- Knauf et al., "Relationship of Effective Molecular Size to Systemic Clearance in Rats of Recombinant Interleukin-2 Chemically Modified with Water-soluble Polymers," *J. Biochem.* 263:15064-15070 (1988)
- Kostelny et al., "Formation of a bispecific antibody by the use of leucine zippers," *J. Immunol.* 148:1547-1553 (1992)
- LaPlanche et al., "Phosphorothioate-modified oligodeoxyribonucleotides, III. NMR and UV spectroscopic studies of the *Rp-Rp*, *Sp-Sp*, and *Rp-Sp* duplexes, [d(GGsAATTCC)]₂, derived from diastereomeric O-ethyl phosphorothioates," *Nucl. Acids Res.* 14:9081 (1986)
- Lonberg et al., "Antigen-specific human antibodies from mice comprising four distinct genetic modifications," *Nature* 368:856-859 (1994)
- Lusti-Narasimhan et al., "Mutation of Leu 25 and Val 27 introduces CC chemokine activity into interleukin-8," *J. Biol. Chem.* 270:2716-2721 (1995)
- Marks et al., "Oligonucleotide primers for polymerase chain reaction amplification of human immunoglobulin variable genes and design of family-specific oligonucleotide probes," *Eur. J. Immunol.* 21:985-991 (1991)
- Mason and Williams, "The kinetics of antibody binding to membrane antigens in solution and at the cell surface," *Biochem J* 187:1-20 (1980)
- Masson, "Elimination of infectious antigens and increase of IgG catabolism as possible modes of action of IVlg," *J. Autoimmunity* 6:683-689 (1993)
- Matsuda et al., "Structure and physical map of 64 variable segments in the 3' 0.8-megabase region of the human immunoglobulin heavy-chain locus," *Nature Genetics* 3:88-94 (1993)
- Max, E., *Molecular genetics of immunoglobulins. Fundamental Immunology.* 315-382 (Paul, WE, ed., New York: Raven Press (1993)
- McFarlane, "The behavior of I¹³¹-labeled plasma proteins In Vivo," *Ann NY Acad Sci* 70:19-25 (1957)
- Medesan et al., "Delineation of the amino acid residues involved in transcytosis and catabolism of mouse IgG1," *J Immunol* 158:2211-2217 (1997)

EXAMINER

M. E. Janney

DATE CONSIDERED

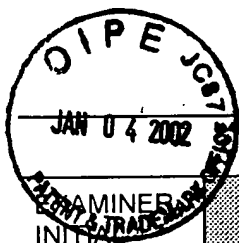
4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)



MJ	Medesan et al., "Localization of the site of the IgG molecule that regulates maternofetal transmission in mice," <i>Eur. J. Immunol.</i> 26:2533-2536 (1996)
	Mendez et al., "Analysis of the structural integrity of YACs comprising human immunoglobulin genes in yeast and in embryonic stem cells." <i>Genomics</i> 26:294-307 (1995)
	Mendez et al., "A set of YAC targeting vectors for the interconversion of centric and acentric arms." <i>Cold Spring Harbor Laboratory Press, Genome Mapping and Sequencing meeting</i> , 163 (1993)
	Mendez et al., "Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice", <i>Nature Genetics</i> 15:146-156 (1997)
	Needleman and Wunsch, "A general method applicable to the search for similarities in the amino acid sequence of two proteins," <i>J. Mol. Biol.</i> 48:443 (1970)
	Nose and Wigzell, "Biological significance of carbohydrate chains on monoclonal antibodies," <i>Proc. Natl. Acad. Sci. USA</i> 80:6632 (1983)
	Pearson and Lipman, "Improved tools for biological sequence comparison," <i>Proc. Natl. Acad. Sci. (U.S.A.)</i> 85:2444 (1988)
MJ	Pollock et al., "Intravascular metabolism of normal and mutant mouse immunoglobulin molecules," <i>Eur. J. Immunol.</i> 20:2021-2027 (1990)
	<i>Proc. Natl. Acad. Sci.</i> , "Construction and characterization of a yeast artificial chromosome," 87:4256 (1990)
	Raghavan et al., "Investigation of the interaction between the class I MHC-related Fc receptor and its immunoglobulin G ligand," <i>Immunity</i> 1:303-315 (1994)
	Raghavan et al., "Effects of receptor dimerization on the interaction between the class I major histocompatibility complex-related Fc receptor and IgG," <i>Proc Natl Acad Sci USA</i> 92:11200-11204 (1995)
MJ	Raghavan et al., "Analysis of the pH dependence of the neonatal Fc receptor/immunoglobulin G interaction using antibody and receptor variants," <i>Biochemistry</i> 34:14649-14657 (1995)
	Ray, S. and Diamond, B., "Generation of a fusion partner to sample the repertoire of Splenic B-cells destined for apoptosis." <i>Proc. Natl. Acad. Sci. USA</i> 91:5548-5551 (1994)
	Rizo and Gierasch, "Constrained peptides: models of bioactive peptides and protein substructures," <i>Ann. Rev. Biochem.</i> 61:387 (1992)
	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> (2d ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y. (1989)
	Sato et al., "Biological effects in vitro of monoclonal antibodies to human epidermal growth factor receptors" <i>Mol. Biol. Med.</i> 1:511-529 (1983)

EXAMINER

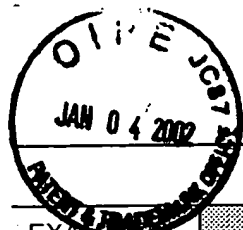
M.E. Gammon

DATE CONSIDERED

4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Schiestl, R.H. and Gietz, R.D., "High efficiency transformation of intact yeast cells using stranded nucleic acids as a carrier." <i>Curr. Genet.</i> 16:339-346 (1989)
	Segal et al., "The role of non-immune IgG in controlling IgG-mediated effector functions," <i>Mol Immunol</i> 20:1177-1189 (1983)
	Sell and Fahey, "Relationship between γ -globulin metabolism and low serum γ -globulin in germfree mice," <i>J Immunol</i> 93:81-87 (1964)
	Sell, "Evidence for species' differences in the effect of serum γ -globulin concentration on γ -globulin catabolism," <i>J. Exp. Med.</i> 120:967-986 (1964)
	Silverman et al., "Meiotic recombination between yeast artificial chromosomes yields a single clone containing the entire BCL2 protooncogene." <i>Proc. Natl. Acad. Sci. USA</i> 87:9913-9917 (1990)
	Smith and Waterman, "Comparison of biosequences," <i>Adv. Appl. Math.</i> 2:482 (1981)
	Songsivilai & Lachmann, "Bispecific antibody: a tool for diagnosis and treatment of disease," <i>Clin. Exp. Immunol.</i> 79:315-321 (1990)
	Spiegelberg in 19 <i>Advances in Immunology</i> F. J. Dixon and H. G. Kinkel, eds. 259-294 (Academic Press, NY: 1974)
	Spiegelberg and Wiegler, "The catabolism of homologous and heterologous 7S gamma globulin fragments," <i>J. Exp. Med.</i> 121:323-338 (1965)
	Srivastava, A. and Schlessinger, D., "Vectors for inserting selectable markers in vector arms and human DNA inserts of yeast artificial chromosomes (YACs)." <i>Gene</i> 103:53-59 (1991)
	Stec et al., "Automated solid-phase synthesis, separation, and stereochemistry of phosphorothioate analogues of oligodeoxy-ribonucleotides," <i>J. Am. Chem. Soc.</i> 106:6077 (1984)
	Stein et al., "Physicochemical properties of phosphorothioate oligodeoxynucleotides," <i>Nucl. Acids Res.</i> 16:3209 (1988)
	Tao and Morrison, "Role of carbohydrate in the structure and effector functions mediated by the human IgG constant region," <i>J. Immunol.</i> 143:2595 (1989)
	Taylor et al., "A transgenic mouse that expresses a diversity of human sequence heavy and light chain immunoglobulins." <i>Nucleic Acids Research</i> 20:6287-6295 (1992)
	Taylor et al., "Human immunoglobulin transgenes undergo rearrangement, somatic mutation and class switching in mice that lack endogenous IgM." <i>International Immunology</i> 6:579-591 (1994)
	Thornton et al., "Prediction of progress at last," <i>Nature</i> 354:105 (1991)
	Tuaille et al., "Analysis of direct and inverted DJ _H rearrangements in a human Ig heavy chain transgenic minilocus" <i>J. Immunol.</i> 154:6453-6465 (1995)
	Tuaille et al., "Human immunoglobulin heavy-chain minilocus recombination in transgenic mice: gene-segment use in μ and γ transcripts." <i>Proc. Natl. Acad. Sci. USA</i> 90:3720-3724 (1993)

EXAMINER

M. E. Jamoy

DATE CONSIDERED

4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER
INITIALUhlmann and Peyman, "Antisense Oligonucleotides: A new therapeutic principle," *Chemical Reviews* 90:543 (1990)Vaughan et al., "Human antibodies with subnanomolar affinities isolated from a large non-immunized phage display library." *Nature Biotech.* 14:309-314 (1996)MS Vaughn and Bjorkman, "Structural basis of pH-dependent antibody binding by the neonatal Fc receptor," *Research Article*, 63-73, 1998Vaughn and Bjorkman, "High-affinity binding of the neonatal Fc receptor to its IgG ligand requires receptor immobilization," *Biochemistry* 36: 9374-9380, 1997Veber and Freidinger, "The design of metabolically-stable peptide analogs," *Trends In NeuroScience* p.392-396 (1985)Wagner et al., "The diversity of antigen-specific monoclonal antibodies from transgenic mice bearing human immunoglobulin gene miniloci," *Eur. J. Immunol.* 24:2672-2681 (1994)Waldman and Strober, "Metabolism of immunoglobulins," *Progress in Allergy* 13: 1-110, (1969)Waldmann and Ghetie, "Catabolism of Immunoglobulins," *Progress in Immunol.* 1:1187-1191 (Academic Press, New York: 1971)Waldmann and Jones, "The role of cell-surface receptors in the transport and catabolism of immunoglobulins," *Protein Turnover* 9:5-23 (1973)MS Wallace and Rees, "Studies on the immunoglobulin-G Fc-Fragment receptor from neonatal rat small intestine," *Biochem J* 188: 9-16 (1980)Wawrzynczak et al., "Recombinant mouse monoclonal antibodies with single amino acid substitutions affecting C1q and high affinity Fc receptor binding have identical serum half-lives in the balb/c mouse," *Molec. Immunol.* 29:221-227 (1992)Wawrzynczak et al., "Blood clearance in the rat of a recombinant mouse monoclonal antibody lacking the N-linked oligosaccharide side chains of the C_H2 domains," *Mol. Immunol.* 29:213-220 (1992)Weichhold et al., "The human immunoglobulin k locus consists of two copies that are organized in opposite polarity," *Genomics* 16:503-511 (1993)Wochner et al., "The role of the kidney in the catabolism of Bence Jones proteins and immunoglobulin fragments," *J. Exp. Med.* 126:207 (1967)Yamada, M. et al., "Preferential utilization of specific immunoglobulin heavy chain diversity and joining segments in adult human peripheral blood B lymphocytes," *J. Exp. Med.* 173:395-407 (1991)MS Yasmeen et al., "The structure and function of immunoglobulin domains," *J. Immunol.* 116:518 (1976)Zon et al., *Oligonucleotides and Analogues: A Practical Approach*, pp. 87-108 (F. Eckstein, Ed., Oxford University Press, Oxford England (1991)

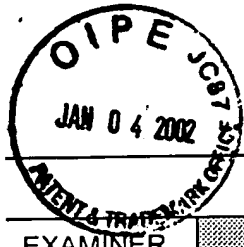
EXAMINER

M. E. Gammon

DATE CONSIDERED 4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
AGBX-2 CIPSERIAL NO.
09/375,924INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Michael Gallo et al.FILING DATE
August 17, 1999GROUP
1643

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Zon et al., "Phosphorothioate oligonucleotides: chemistry, purification, analysis, scale-up and future directions," <i>Anti-Cancer Drug Design</i> 6:539 (1991)
	Zuckier et al., "The use of severe combined immunodeficiency mice to study the metabolism of human immunoglobulin G," <i>Cancer</i> 73:794-799 (1994)
	Zuckier et al., "Immunologic and pharmacologic concepts of monoclonal antibodies," <i>Semin. Nucl. Med.</i> 19:166-186 (1989)

EXAMINER

M.E. Gammon

DATE CONSIDERED 4/24/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.